Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/03/2020 09:41 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125357	0	2.12	125449	2.11
Blue	F	SSC	125000	124695	-1	1.56	125553	1.59
Blue	E	FITC	16433	16254	-2	2.64	353	18.99
Blue	D	PE	27595	27264	-2	1.84	596	14.17
Blue	B	PerCP-Cy5-5	43183	43129	-1	3.53	1159	19.82
Blue	A	PE-Cy7	31943	32398	1	5.82	624	39.58
Red	C	APC	42819	42488	-1	2.43	1506	11.88
Red	A	APC-Cy7	31261	30478	-3	2.32	808	11.60
Violet	B	V450	6527	6281	-4	4.87	351	13.25
Violet	A	V500	24533	23507	-5	4.60	548	10.63

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17798	11.20	613	13	N/A	N/A	Pass
Blue	F	SSC	56769	1.17	554	6	N/A	N/A	Pass
Blue	E	FITC	64	60.65	541	2	0.0224	100	Pass
Blue	D	PE	124	48.84	537	3	0.1840	301	Pass
Blue	B	PerCP-Cy5-5	216	47.08	650	8	0.0094	20	Pass
Blue	A	PE-Cy7	116	96.37	697	8	0.0114	11	Pass
Red	C	APC	357	24.30	579	-4	0.0251	97	Pass
Red	A	APC-Cy7	178	28.29	558	-5	0.0060	1116	Pass
Violet	B	V450	54	59.30	448	-7	0.0533	2103	Pass
Violet	A	V500	82	33.53	459	-8	0.0237	795	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.99	-32.68	0.98
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.46
Red	17.35	13.60 - 20.40	N/A	N/A	30.30	30.59	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10187

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments